

# LAMINAR DOWN FLOW RE-CIRCULATING BARRIER ISOLATORS



**CLASS 100 / ISO-5 LAMINAR FLOW  
RECIRCULATING ISOLATOR  
AVAILABLE IN BOTH POSITIVE OR NEGATIVE  
PRESSURE CONFIGURATIONS**

## **STANDARD FEATURES**

- Fully welded 304 stainless steel construction with #4 finish on both exterior and interior surfaces. All welds are ground smooth and polished to matching finish.
- All interior corner transitions are radius for ease of cleaning.
- Vertical sliding counterbalanced sash
- Support frame is 14 ga 2" sq. 304 stainless steel tube with a brushed #4 finish with leg levelers and chamber suspension stanchions to suspend glove box off frame for ease of cleaning between assembly.
- 1/4" thick clear laminated safety glass view panel. Potted to structure for enhanced seal integrity.
- 10" dia. round glove ports with compression seal rings.
- One piece Hypalon gloves and sleeves.
- Motorized 100% coverage HEPA filter ceiling 99.99% eff at .3 microns with gel seal mounting to chamber. Providing vertical laminar down flow conditions within.
- Electrical- 120v / 60HZ / 1 PH.
- 100% re-circulating.
- Magnehelic gage to monitor chamber pressurization.
- Minihelic gage to monitor filter static pressure.
- Low flow audible visual alarm.
- Lighting is LED type with electronic energy saving ballast.
- Wet location rated power and light switches.
- Tri-clamp and cap penetrations into main chamber for service connections A/R.
- FDA approved silicone gasket.
- Removable side panels for additional service installation and control access.
- Pressure differential gages to monitor both internal and filter pressure differentials.
- Solid state Blower speed controller
- System run indication light

## **STANDARDS CONFORMANCE**

- Complies with AGS-G001 guidelines for glove box standards
- All stainless steel materials used in the construction of this equipment conforms to AISI and SAE standards.
- All filters are PSL challenged at factory to insure media integrity. Certificates of conformance are available upon request.
- System performance meets or exceeds standards as specified in Fed. Std. 209E / ISO-5 for Class 100 conditions and IES-RP-CC-002
- USP-795-797-800 compliant.
- All electrical wiring is in conformance with NEMA standards.
- All sealants and gaskets used in the construction of this equipment are FDA approved.
- Complete test procedures and protocols available upon request .

**NOTE:** All **Isolation Systems, Inc.** isolators are designed, engineered and manufactured to the highest standards, fully utilizing state of the art design and manufacturing processes. Complete as built drawings are submitted to our customers for their approval prior to manufacturing to assure total compliance with their requirements and specifications. Upon completion each isolator is fully tested for seal integrity and performance. A complete installation , operation and maintenance manual is provided including all test and certification reports, electrical and control schematics, certified final drawings, replacement parts lists, and component specification sheets, sufficient to compile your IQ'S , OQ'S and SOP'S. Isolator testing and validation protocols and procedures are available for your review upon request.

Thank you for considering **Isolation Systems, Inc.** for your containment equipment needs.

MODEL #	DESCRIPTION	ELECTRICAL	INTERIOR DIMENSIONS
RLI-1	Single Station Class 100/iso-5	120V / 60HZ / 1 PH	48"w x 26"d x 30"h
RLI-2	Double Station Class 100/iso-5	120V / 60HZ / 1 PH	78"w x 26"d x 30"h

*All information herein is subject to change without notice.*

*all catalog dimensions nominal.*



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